

## EAST Search History

| Ref # | Hits | Search Query                                                                                                                                                                                                                                                                                                                                                                                                    | DBs                                                               | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|---------|------------------|
| S1    | 2    | ("20040183782").PN.                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/02/04 17:38 |
| S2    | 22   | ((("4897582") or ("5184310") or ("5194786") or ("5271290") or ("5555894") or ("5650704") or ("5712725") or ("5734236") or ("5828197") or ("5896076") or ("5952806") or ("6050718") or ("6057753") or ("6171191") or ("6211861") or ("6256011") or ("6353427") or ("6496200") or ("6686901") or ("7024625") or ("20020030663") or ("20040075676"))).PN.                                                          | US-PGPUB;<br>USPAT                                                | OR               | OFF     | 2008/02/04 16:54 |
| S3    | 1    | ("6452586").PN.                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT                                                | OR               | OFF     | 2007/08/19 16:37 |
| S4    | 1    | ("6088019").PN.                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT                                                | OR               | OFF     | 2007/08/19 16:37 |
| S5    | 8211 | (345/156-158,161,163-167).CCLS.                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/19 16:48 |
| S6    | 34   | ("3497668"   "3919691"   "4655673"   "4667182"   "4687444"   "4712101"   "4757302"   "4795296"   "4868549"   "5185561"   "5186629"   "5237311"   "5268674"   "5296871"   "5351677"   "5389849"   "5506605"   "5555894"   "5585823"   "5589828"   "5589854"   "5619180"   "5625576"   "5643087"   "5666473"   "5684722"   "5691898"   "5692956"   "5699083"   "5717427"   "5790108"   "5808568"   "5986643").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2007/08/19 16:49 |
| S7    | 8    | S2 and ((cover housing top button) near5 (vibrat\$4 oscillat\$3 haptic))                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/19 16:55 |
| S8    | 10   | S2 and ((cover housing top button) with (vibrat\$4 oscillat\$3 haptic tactile))                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/19 16:56 |
| S9    | 499  | S5 and ((cover housing top button) near10 (vibrat\$4 oscillat\$3 haptic tactile))                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/19 16:57 |
| S10   | 115  | S5 and ((cover housing top button) near10 (vibrat\$4 oscillat\$3 haptic tactile)) and @pd<"20020101"                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/19 16:58 |
| S11   | 84   | S5 and ((button) near10 (vibrat\$4 oscillat\$3 haptic tactile)) and @pd<"20020101"                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/19 17:04 |

## EAST Search History

|     |      |                                                                                                       |                                                                   |    |     |                  |
|-----|------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S12 | 858  | S5 and ((measur\$3 detect\$3 sens\$3 determin\$3) with (vibrat\$4 haptic tactile))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:07 |
| S13 | 46   | S5 and ((measur\$3 detect\$3 sens\$3 determin\$3) with (vibrat\$4 haptic tactile)) and @pd<"19970623" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:09 |
| S14 | 77   | S5 and ((measur\$3) near10 (vibrat\$4 haptic tactile))                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:16 |
| S15 | 88   | S5 and ((measur\$3) with (vibrat\$4 haptic tactile))                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:17 |
| S16 | 11   | S15 not S14                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:17 |
| S17 | 0    | S1 and (actuat\$3 same sens\$3 same (measur\$3 measurement) same rotat\$4)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:28 |
| S18 | 2    | S1 and ((measur\$3 measurement sens\$3) same rotat\$4)                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:25 |
| S19 | 0    | S1 and ((measur\$3 measurement) same rotat\$4)                                                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:26 |
| S20 | 8    | ((("6717573") or ("6243078") or ("6211861") or ("6353427") or ("6088019"))).PN.                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/19 17:27 |
| S21 | 0    | S20 and (actuat\$3 same sens\$3 same (measur\$3 measurement) same rotat\$4)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:28 |
| S22 | 1    | S20 and ((measur\$3 measurement) same rotat\$4)                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 17:28 |
| S23 | 8211 | (345/156-158,161,163-167).CCLS.                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 15:46 |

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|     |      |                                                                                                         |                                                                   |    |     |                  |
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| S24 | 71   | S23 and ((detach\$4 remov\$4 open\$3) with (cover\$3 top housing lid) with hinge)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 22:40 |
| S25 | 540  | 345/163-166.ccls. and ((detach\$4 remov\$4 open\$3) with (cover\$3 top housing lid))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 22:41 |
| S26 | 144  | 345/163-166.ccls. and ((detach\$4 remov\$4 open\$3) with (cover\$3 top housing lid)) and @pd<"20010101" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 22:43 |
| S27 | 71   | 345/163-166.ccls. and ((detach\$4 remov\$4) with (cover\$3 top housing lid)) and @pd<"20010101"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/19 22:43 |
| S28 | 2    | ("20040183782").PN.                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 15:27 |
| S29 | 0    | S28 and (measur\$5 near\$5 rotat\$4)                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 15:30 |
| S30 | 0    | S28 and (measur\$5 with rotat\$4)                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 15:30 |
| S31 | 8668 | (345/156-158,161,163-167).CCLS.                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 15:46 |
| S32 | 76   | S31 and (((rotat\$3 spin\$4) near\$5 (mass weight)) with (vibrat\$3 haptic feedback))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 15:48 |
| S33 | 2    | ("6211861").PN.                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 15:52 |
| S34 | 2    | ("6088019").PN.                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 15:54 |

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|     |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                   |    |     |                  |
|-----|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S35 | 107    | {"3875488"   "3919691"   "4436188"  <br>"4477043"   "4604016"   "4782327"  <br>"4794384"   "4795296"   "4800721"  <br>"4839838"   "4861269"   "4868549"  <br>"4896554"   "4906843"   "4935728"  <br>"4949119"   "4961038"   "4983901"  <br>"5044956"   "5065145"   "5076517"  <br>"5095303"   "5103404"   "5107080"  <br>"5107262"   "5116180"   "5139261"  <br>"5146566"   "5184319"   "5185561"  <br>"5186629"   "5189355"   "5193963"  <br>"5197003"   "5203563"   "5220260"  <br>"5223776"   "5235868"   "5264768"  <br>"5275565"   "5286203"   "5296871"  <br>"5313230"   "5354162"   "5355148"  <br>"5381080"   "5396266"   "5398044"  <br>"5405152"   "5414337"   "5451924"  <br>"5457479"   "5459382"   "5471571"  <br>"5473235"   "5473344"   "5491477"  <br>"5512919"   "5513100"   "5530455"  <br>"5565887"   "5576727"   "5583407"  <br>"5589828"   "5589854"   "5596347"  <br>"5625576"   "5642469"   "5643087"  <br>"5656901"   "5666138"   "5666473"  <br>"5691747"   "5691898"   "5694013"  <br>"5709219"   "5714978"   "5721566"  <br>"5724278"   "5734373"   "5736978"  <br>"5745715"   "5754023"   "5755577"  <br>"5757358"   "5760764"   "5767839"  <br>"5771037"   "5781172"   "5790108"  <br>"5802353"   "5805140"   "5805165"  <br>"5808601"   "5808603"   "5823876"  <br>"5825308"   "5831408"   "5844392"  <br>"5877748"   "5880714"   "5889670"  <br>"5912661"   "5944151"   "5956484"  <br>"5959613"   "5990869").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2008/02/04 15:54 |
| S36 | 8668   | (345/156-158,161,163-167).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 16:55 |
| S37 | 58     | S36 and mouse and ((haptic vibrat\$4) with<br>((lid cover\$3 hous\$3) near10 (movable<br>moveable mov\$3)))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:13 |
| S38 | 31     | S36 and mouse and ((haptic vibrat\$4) with<br>((lid cover\$3 hous\$3) near10 (movable<br>moveable mov\$3))) and (rotat\$4 near10<br>(mass weight))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:35 |
| S39 | 169007 | (mouse input position coordinate).ab. and<br>((rotat\$4 rotar\$3) near5 (mass weight<br>force output haptic actuat\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:37 |
| S40 | 1132   | S36 and ((rotat\$4 rotar\$3 inertial)<br>near5 (mass weight force output haptic<br>actuat\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:51 |
| S41 | 8      | ((("6717573") or ("6243078") or<br>("6211861") or ("6353427") or<br>("6088019")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 17:39 |

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|     |      |                                                                                                                                                                                                                                           |                                                                   |    |     |                  |
|-----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S42 | 4    | S41 and ((detect\$3 measur\$3 sens\$3) near5 (rotat\$3 rotation\$3))                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:47 |
| S43 | 5    | S41 and ((hous\$3 cover\$3 lid) with (mov\$3 movable moveabl) with (((rotat\$3 rotatable rotary rotation\$3) near5 (force actuat\$4 output feedback)) haptic vibrat\$4))                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:49 |
| S44 | 2    | ("20040183782").PN.                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/04 17:49 |
| S45 | 1    | S44 and ((hous\$3 cover\$3 lid) with (mov\$3 movable moveabl) with (((rotat\$3 rotatable rotary rotation\$3) near5 (force actuat\$4 output feedback)) haptic vibrat\$4))                                                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:50 |
| S46 | 253  | S36 and ((rotat\$4 rotar\$3 intertial) near3 (mass weight force output haptic actuat\$3)) and ((cover\$3 hous\$3 lid) near5 (vibrat\$3 vibration\$3 haptic mov\$3 movable moveable))                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/05 07:17 |
| S47 | 1705 | ((((rotat\$4 rotar\$3 intertial) near3 (mass weight force output haptic actuat\$3)) and ((cover\$3 hous\$3 lid) near5 (vibrat\$3 vibration\$3 haptic mov\$3 movable moveable))) .ab.                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 17:55 |
| S48 | 14   | ((((rotat\$4 rotar\$3 intertial) near3 (mass weight force output haptic actuat\$3)) and ((cover\$3 hous\$3 lid) near5 (vibrat\$3 vibration\$3 haptic mov\$3 movable moveable)) and (mouse (cursor near control\$4) "input device"))) .ab. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/04 18:03 |
| S49 | 8676 | (345/156-158,161,163-167).CCLS.                                                                                                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/02/05 07:17 |
| S50 | 253  | S49 and ((rotat\$4 rotar\$3 intertial) near3 (mass weight force output haptic actuat\$3)) and ((cover\$3 hous\$3 lid) near5 (vibrat\$3 vibration\$3 haptic mov\$3 movable moveable))                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/05 07:23 |
| S51 | 154  | S49 and ((rotat\$4 rotar\$3 intertial) near3 (mass weight force output haptic actuat\$3)) and ((cover\$3 hous\$3 lid) near5 (vibrat\$3 vibration\$3 haptic mov\$3 movable moveable)) and ((haptic force) near3 (output feedback))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/05 07:24 |

# EAST Search History

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                            |    |    |                  |
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| S52 | 68  | {"2972140"   "3157853"   "3220121"  <br>"3497668"   "3517446"   "3623064"  <br>"3902687"   "3903614"   "3911416"  <br>"4127752"   "4160508"   "4236325"  <br>"4262549"   "4333070"   "4464117"  <br>"4484191"   "4513235"   "4581491"  <br>"4599070"   "4708656"   "4713007"  <br>"4794392"   "4885565"   "4891764"  <br>"4930770"   "4934694"   "5019761"  <br>"5022384"   "5022407"   "5035242"  <br>"5038089"   "5078152"   "5165897"  <br>"5175459"   "5186695"   "5212473"  <br>"5240417"   "5271290"   "5275174"  <br>"5283970"   "5299810"   "5309140"  <br>"5334027"   "5436622"   "5437607"  <br>"5466213"   "5547382"   "5575761"  <br>"5650704"   "5690582"   "5766016"  <br>"5785630"   "5973678"   "6020875"  <br>"6088017"   "6111577"   "6147674"  <br>"6160489"   "6171191"   "6275213"  <br>"6422941"   "6424333"   "6468158").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT;<br>USOCR                                               | OR | ON | 2008/02/05 07:30 |
| S53 | 107 | {"3875488"   "3919691"   "4436188"  <br>"4477043"   "4604016"   "4782327"  <br>"4794384"   "4795296"   "4800721"  <br>"4839838"   "4861269"   "4868549"  <br>"4896554"   "4906843"   "4935728"  <br>"4949119"   "4961038"   "4983901"  <br>"5044956"   "5065145"   "5076517"  <br>"5095303"   "5103404"   "5107080"  <br>"5107262"   "5116180"   "5139261"  <br>"5146566"   "5184319"   "5185561"  <br>"5186629"   "5189355"   "5193963"  <br>"5197003"   "5203563"   "5220260"  <br>"5223776"   "5235868"   "5264768"  <br>"5275565"   "5286203"   "5296871"  <br>"5313230"   "5354162"   "5355148"  <br>"5381080"   "5396266"   "5398044"  <br>"5405152"   "5414337"   "5451924"  <br>"5457479"   "5459382"   "5471571"  <br>"5473235"   "5473344"   "5491477"  <br>"5512919"   "5513100"   "5530455"  <br>"5565887"   "5576727"   "5583407"  <br>"5589828"   "5589854"   "5596347"  <br>"5625576"   "5642469"   "5643087"  <br>"5656901"   "5666138"   "5666473"  <br>"5691747"   "5691898"   "5694013"  <br>"5709219"   "5714978"   "5721566"  <br>"5724278"   "5734373"   "5736978"  <br>"5745715"   "5754023"   "5755577"  <br>"5757358"   "5760764"   "5767839"  <br>"5771037"   "5781172"   "5790108"  <br>"5802353"   "5805140"   "5805165"  <br>"5808601"   "5808603"   "5823876"  <br>"5825308"   "5831408"   "5844392"  <br>"5877748"   "5880714"   "5889670"  <br>"5912661"   "5944151"   "5956484"  <br>"5959613"   "5990869").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                               | OR | ON | 2008/02/05 07:52 |
| S54 | 74  | (mouse ((cursor adj control\$4) input<br>coordinate position) adj2 device)).ab.<br>and ((haptic force) with (detect\$3 sens\$3<br>measur\$3) with (rotat\$4 rotation\$3<br>position\$3 displacement speed) with (mass<br>weight))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 08:20 |
| S55 | 40  | S49 and ((haptic force) with (detect\$3<br>sens\$3 measur\$3) with (rotat\$4 rotation\$3<br>position\$3 displacement speed) with (mass<br>weight))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 08:23 |

## EAST Search History

|     |     |                                                                                                                                                                                                             |                                                                            |    |    |                  |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|----|------------------|
| S56 | 76  | S49 and ((haptic force vibration\$3 vibrat\$3) with (detect\$3 sens\$3 measur\$3) with (uniform\$5 constant consistan\$5 consisten\$5))                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 08:29 |
| S57 | 51  | S49 and ((haptic force vibration\$3 vibrat\$3) near5 (detect\$3 sens\$3 measur\$3)) same ((haptic force vibration\$3 vibrat\$3) near5 (uniform\$5 constant consistan\$5 consisten\$5))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 08:37 |
| S58 | 249 | S49 and (((haptic vibration\$3 vibrat\$3) near10 (detect\$3 sens\$3 measur\$3)) same ((haptic force vibration\$3 vibrat\$3) near5 (control\$4 output\$3 chang\$3 updat\$3 alter\$3 increas\$3 decreas\$3))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 08:56 |
| S59 | 202 | S49 and (((haptic vibration\$3 vibrat\$3) near5 (detect\$3 sens\$3 measur\$3)) same ((haptic force vibration\$3 vibrat\$3) near5 (control\$4 output\$3 chang\$3 updat\$3 alter\$3 increas\$3 decreas\$3)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 09:59 |
| S60 | 8   | (sensor\$3 and actuator\$3 and rotat\$4 and mass and accelerat\$3 and ((measur\$3 determin\$3) near5 (amount position location rotat\$3)) and hous\$3).clm.                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/05 10:01 |